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(May)

ECONOMICS

(Major)

Course : 602

(Environmental Economics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer/Choose the correct answer from the following : 1×8=8
- (a) Mention one difference between resource economics and environmental economics.
- (b) The study of interdependencies between living organisms and their environment is called
- (i) environmental economics
 - (ii) ecosystem
 - (iii) ecology
 - (iv) All of the above

- (c) The maximum amount of a pollutant that is permitted to be discharged from a single polluting source over a specified period of time is called
- (i) effluent charge
 - (ii) emission standard
 - (iii) entropy law
 - (iv) EIA
- (d) Converting solid wastes into new products by using the resources contained in discarded materials is called
- (i) renewable resource
 - (ii) recycling
 - (iii) refuse
 - (iv) All of the above
- (e) Which of the following is not correctly matched?
- (i) EIA : Environmental Impact Assessment
 - (ii) EMS : Environment Management System
 - (iii) CPR : Community Property Resources
 - (iv) IPCC : Intergovernmental Panel on Climate Change
- (f) Which of the following is not correctly matched?
- (i) National pollution : Climate change
 - (ii) Global pollution : Ozone depletion
 - (iii) Regional pollution : Acid rain
 - (iv) Local pollution : Smog

- (g) What is carbon trading?
(h) Mention one remedy for loss of biodiversity in Assam.

2. Write short notes on any *four* of the following
(**within 150 words** each) : 4×4=16

- (a) Environment and economic development
(b) Environmental pollution as negative externality
(c) Environmental standard
(d) Indicators of sustainable development
(e) Global warming

Write the answers of the following (**within 500 words** each) :

3. (a) Write the meaning of ecology, environment and economy. Explain the objectives of environmental economics.

6+5=11

Or

- (b) Illustrate, with the help of materials balance model, the interdependence between economy and the environment. 11
4. (a) Mention any four characteristics of public goods. Discuss environmental quality as a public good. 4+7=11

Or

- (b) Discuss Coase theorem with suitable examples. Mention its limitations. 8+3=11

5. (a) Explain the command and control measures of pollution control. Do you think that command and control approach is more efficient than market-based approach in less-developed countries? Give justifications. $6+6=12$

Or

- (b) Critically discuss different market-based methods of pollution control. 12

6. (a) Critically discuss different concepts of sustainable development. 11

Or

- (b) Explain the meaning of strong and weak sustainability. Do you think that there are conflicts between economic growth and sustainable development? Give reasons for your answer. $6+5=11$

7. (a) What are the major environmental problems of developed and developing countries? Discuss the environmental policy choices for the developing countries. $5+6=11$

Or

- (b) Give a brief account of the global environmental problems. Discuss the ways to resolve these problems. $6+5=11$

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